•		··						Sheet 1 of 4		
		U.S. DEPARTM PATENT AND T			ATTY, DOCKET NO. 1758-4036US2		SERIAL NO <del>09/120,</del>	<del>044</del> .		
INFORMATION DISCLOS			SOUTH CITATION		APPLICANT	APPLICANT ·		J07 <i>85</i> 67≥		
INFC	)KIVI /	ATION DISCLOSE	JRE CHAII	Conceicao MINETT		IETTI et a	1.			
	(Use several sheets if necessary)					· · · · · · · · · · · · · · · · · · ·	GROUP AR' 1643	TUNT 1645		
	U.S. PATENT DOCUMENTS									
EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
/SD/	A	5, 623, 057	04/22/97	Marburg	, Stephen, et al.	530	404	05/20/94		
/SD/	Α	5, 565, 204	10/15/96	Kuo, Jos	seph S. C., et al.	424	244.i	08/24/94		
		·	FOREIG	N PATE	NT DOCUMENTS	3		·		
		DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO		
/SD/		WO 90/06951	06/28/99		PCT					
/SD/		0 687 688 A1	12/20/95		European					
				<u> </u>					_	
		OTHER DOC	JMENTS (in	cluding Au	uthor, Title, Date, F	ertinent P	apers, Etc.)			
/SD/	A				I functional charact sin, <u>FEBS Letters</u> ,					
/SD/	A				Cholesterol-Bindir 89, May 30, 1997			olysin and a Mode	1	
/SD/	A		molytic activi	ty and elec	ation in the Strepto					
EXAMINI	ER.	/S. Dev	i/		DATE CONSIDE	RED	05/14/	2007		
EXAMINE	R: Init	ial if reference conside	ered, whether or	r not citatio	n is in conformance v	vith MPEP	609; Draw line	through citation if		

698723 v1

EV 062745888 US

not in conform	nance	and not considered. In	clude copy of the	his form wit	h next communicati	on to applic	ant.			
FORM PTO-	1449	U.S. DEPARTME PATENT AND TR	NT OF COMM RADEMARK O	IERCE OFFICE	ATTY, DOCKET NO. 1758-4036US2		SERIAL NO. 109/120,044 10785673			
INIEC	ND N. F.	TION DISCLOSU	DE CITATIO	N.	APPLICANT	APPLICANT ID+0 >6			3	
INFC	KIVI	THON DISCLOSE	RE CHAIR	<b>51</b> 1	Conceicao Mi	netti, et al.		_		
	(Us	se several sheets if ne	cessary)		FILING DATE July 21, 1998		GROUP ART	GROUP ART UNIT		
				······································	1 July 21, 1230				<u> </u>	
•			U.S. P	ATENT D	OCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NAME CLASS		SUBCLASS		G DATE ROPRIATE	
·							·	<del></del>		
			1		•					
	L		<u> </u>			1			•	
			FOREIG	N PATEN	T DOCUMENTS	\$				
1		_			•			TRAN	SLATION	
		DOCUMENT NUMBER	DATE	•	COUNTRY		SUBCLASS	YES	140	
<b>—</b>								163	1	
									ļ	
				_						
							•			
	<u> </u>	OTHER DOCU	MENTS (Inc.	luding Aut	hor, Title, Date, I	Pertinent Pa	pers, Etc.)			
/SD/	A	Joseph Kuo, e Carrier for Pn 7, July 1995,	eumococcal T	Type 18C C	a Recombinant P Conjugate Vaccine	neumolysii s, <u>Infectior</u>	n and Its Use and Immuni	as a Prote ty, Volur	ein ne 63, No.	
	}—		<u> </u>							
/SD/	A	preschool Chi	ldren in the U	nited State	tion of <i>Streptocod</i> s, 1978-1994: Im seases, Volume 17	plications f	or developme	ent of a C	onjugate	
/SD/	A	Janet E. Alex Degree of Pro	ander, et al., L	mmunizationst At Least	on of Mice with P Nine Serotypes o nber 1994, pp. 568	neumolysir f <i>Streptoco</i>	ı Toxoid Соп	fers a Sig	nificant	
EXAMIN	ER	/S. [	Devi/	I	DATE CONSIDERED 05/14/2007					
	D. 1	ial if reference conside	and uther or	not citation	is in conformance	with MPFP	609: Draw line	through o	citation if	

698723 vl

EV 062745888 US

			1							
FORM PTO-1449		U.S. DEPARTMEI PATENT AND TR			ATTY. DOCKET NO. 1758-4036US2	1758-4036US2 <del>09/120,044</del>				
					APPLICANT 10785673					
INFO	)RM	ATION DISCLOSUI	RE CITATI	ON	Conceicao Minetti, et al.					
	(Use several sheets if necessary)						GROUP AR	TUNIT /	1 C	
	(Ose several slices it liceessary)						1643	16	45	
U.S. PATENT DOCUMENTS										
EXAMINER INITIAL				NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE			
								<del> </del>		
								·		
			FOREIG	N PATEN	T DOCUMENTS	;	·			
		DOCUMENT NUMBER	DATE		COUNTRY		. SUBCLASS	TRANSI	LATION	
	<u> </u>					<b></b>		YES	NO	
<del></del> -				-						
	<del>                                     </del>			<del> </del>						
	A	OTHER DOCU	MENTS (In	cluding Au	thor, Title, Date, P	ertinent P	apers, Etc.)			
/SD/	A	Jim Hill, et al., Random Muta	Amino Acie	ds in Pneur	nolysin Important i	for Hemol 62, No. 2,	ytic Activity I February 199	Identified b 94, pp. 757	ру -758.	
/SD/	A	Random Mutagenesis, Infection and Immunity, Volume 62, No. 2, February 1994, pp. 757-758.  Gianfranco Menestrina, et al., Structural features of the pore formed by Staphylococcus aureus atoxin inferred form chemical modification and primary structure analysis, FEMS Microbiology Immunology, Infection: Host Response and Immunity, Volume 105, Nos. 1-3, September 1992, pp. 19-28.							logy	
/SD/	A	Toxoids and T	heir Conjug	ation to Str	d Immunogenicity reptococcus pneum y 1991, pp.2297-2	oniae Typ	cally Obtained	I Pneumoly ccharide, <u>I</u>	ysin nfection	
EXAMIN	ER	/S. Devi	•	]	DATE CONSIDE	RED	05/14/2	007		
EXAMINE	R: Init	ial if reference consider	ed, whether o	r not citation	is in conformance v	with MPEP	609; Draw line	through ci	tation if	

FORM PTO-1449			NT OF COMMERCI ADEMARK OFFIC		ATTY. DOCKET NO. SERIAL NO. 1758-4036US2 59/128,944			944		
				-	APPLICANT 1076567.3					
INFO	)RM	ATION DISCLOSU	RE CITATION		Conceicao Minetti, et al.					
	(Use several sheets if necessary)					FILING DATE July 21, 1998  GROUP ART UNIT   645				
•			U.S. PATE	NT D	OCUMENTS					
EXAMINER								FILING DATE		
INITIAL		DOCUMENT NUMBER	ABER DATE		NAME CLASS		SUBCLASS IF APPROP		E	
			·							
			· -							
	<b></b> _		FOREIGN PA	TEN	T DOCUMENTS	6				
						<u> </u>	<u> </u>	Ī		
•					COUNTRY CLASS		SUBCLASS	TRANSLATION	4	
		DOCUMENT NUMBER DATE						YES N	40	
							·			
				_						
		·								
	-				·	ļ				
							<u> </u>		<u> </u>	
-		OTHER DOCU	MENTS (Including	g Aut	hor, Title, Date, F	ertinent P	apers, Etc.)			
	1		Cia- Di		I Mutagamesia of	ha Hola E	orming Toxic	Aerolysin: Stu	dies	
/SD/	A	on the Roles o	f Histidines in Rec	eptor	d Mutagenesis of the Hole-Forming Toxin Aerolysin: Studies Binding and Oligomerization of the Monomer,					
		Biochemistry,	Volume 29, No. 8,	Febr	uary 27, 1990, pr	<u>. 2177-21</u>	80.			
/SD/	A	Abstract W-Pl Recombinant 3 A233.	Abstract W-PM-B4, A.S.A. Minetti, et al., Structural And Functional Characterization of Recombinant Streptococcal Pneumolysin, Biophysical J., Volume 74, No. 2, February 1998, p.							
	A			<u></u>						
EXAMIN		/S. Devi/		D	DATE CONSIDERED 05/14/2007					
EXAMINE	R: Init	ial if reference consider	ed, whether or not ci	tation	is in conformance v	with MPEP	609; Draw lin	e through citation	if	

FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY. DOCKET NO. 1758-4036US2 SERIAL NO. 09/120,044							
INF	ORM	ATION DISCLOSU			APPLICANT Conceicao M	5673					
	(U	se several sheets if n	ecessary)		FILING DATE July 21, 1998	FILING DATE			GROUP ART UNIT		
			T.T.U.S.	PATENT	DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING IF APPRO			
·						·	•				
					· · ·						
			roric	NIPATE	II DOGUMENTS						
	DENER GITTE										
		DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	YES	NO		
/SD/	Α	WO 96/05859	02/29/96		PCT						
/SD/	Α	WO 95/16711	06/22/95		PCT						
				_					- 4		
	1			_				:			
		OTHER DOCUM	IEN IS (Inc.	uding Aus	iór (Pille), Dale (P	ninent P	pen, Ela)				
/SD/	A	F. Michon, et al., Multivalent pneumococcal capsular polysaccharide conjugate vaccines employing genetically detoxified pneumolysin as a carrier protein, <u>Vaccine</u> , Volume 16, No. 18, November 1998, pp. 1732-1741.									
			,								
<b>EXAMINER</b> /S. Devil				E	ATE CONSIDER	ED	05/14	/2007			
EXAMINER if not in accord	: Initi	al if reference consider	ed, whether or	not citatio	n is in conformance	with MPEP	609; Draw lin	e through c	itation		

464577\_1

 $\checkmark$